



48170040.APP
SEQUENCE LISTING

<110> TITUS, FRANCIS L.
MARX, JEFFREY C.
BODEN, SCOTT D.
YOON, SANGWOOK T.
DRAPEAU, SUSAN J.

<120> INTRACELLULAR DELIVERY OF OSTEOINDUCTIVE PROTEINS AND
PEPTIDES

<130> 48170.00040

<140> 10/806,915
<141> 2004-03-23

<150> 60/456,551
<151> 2003-03-24

<160> 13

<170> PatentIn Ver. 3.3

<210> 1
<211> 22
<212> PRT
<213> Homo sapiens

<400> 1
Ala Pro Ser Val Ser Leu Asn Lys Thr Ala Arg Pro Phe Gly Ala Pro
1 5 10 15
Pro Pro Ala Asp Ser Ala
20

<210> 2
<211> 22
<212> PRT
<213> Homo sapiens

<400> 2
Ala Arg Pro Phe Gly Ala Pro Pro Pro Ala Asp Ser Ala Pro Gln Gln
1 5 10 15
Asn Gly Gln Pro Leu Arg
20

<210> 3
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3
Lys Pro Gln Lys Ala Ser Ala Pro Ala Ala Asp Pro Pro Arg Tyr Thr
1 5 10 15
Phe Ala Pro Ser Val Ser
20

<210> 4

48170040.APP

<211> 22
<212> PRT
<213> Homo sapiens

<400> 4
Leu Asn Lys Thr Ala Arg Pro Phe Gly Ala Pro Pro Pro Ala Asp Ser
1 5 10 15
Ala Pro Gln Gln Asn Gly
20

<210> 5
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5
Ala Ser Ala Pro Ala Ala Asp Pro Pro Arg Tyr Thr Phe Ala Pro Ser
1 5 10 15
Val Ser Leu Asn Lys Thr Ala Arg Pro Phe Gly Ala Pro Pro Pro Ala
20 25 30
Asp Ser Ala Pro Gln Gln Asn Gly
35 40

<210> 6
<211> 45
<212> PRT
<213> Homo sapiens

<400> 6
Ser Lys Pro Gln Lys Ala Ser Ala Pro Ala Ala Asp Pro Pro Arg Tyr
1 5 10 15
Thr Phe Ala Pro Ser Val Ser Leu Asn Lys Thr Ala Arg Pro Phe Gly
20 25 30
Ala Pro Pro Pro Ala Asp Ser Ala Pro Gln Gln Asn Gly
35 40 45

<210> 7
<211> 30
<212> PRT
<213> Homo sapiens

<400> 7
Gly Ala Pro Pro Pro Ala Asp Ser Ala Pro Gln Gln Asn Gly Gln Pro
1 5 10 15
Leu Arg Pro Leu Val Pro Asp Ala Ser Lys Gln Arg Leu Met
20 25 30

<210> 8
<211> 30
<212> PRT
<213> Homo sapiens

<400> 8

48170040.APP
Gly Ala Pro Pro Pro Ala Asp Ser Ala Pro Gln Gln Asn Gly Cys Arg
1 5 10 15

Pro Leu Thr Asn Ser Arg Ser Asp Arg Trp Ser Gln Met Pro
20 25 30

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 9
tcctcatccg ggttttgcat gaactcggtg 30

<210> 10
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 10
ccccccgccc gctgacagcg ccccgcaa 28

<210> 11
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 11
ccatggattc cttcaaagta gtgc 24

<210> 12
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 12
cagggcgggc ggctggtag 19

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

48170040.APP

<220>
<223> Description of Artificial Sequence: Synthetic
6-His tag

<400> 13
His His His His His His
1 5